

U.S.S.N. 10/607,247

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AMENDMENT AND RESPONSE TO RESTRICTION REQUIREMENT

In the Claims

Claim 1-31 (Canceled).

32. (Currently amended) A substrate comprising a surface having a polymeric coating thereon formed by free radical polymerization using ~~an initiator selected from the group consisting of visible light or long wavelength ultraviolet light activatable free radical initiators, thermal activatable free radical initiators, benzoyl peroxide, potassium persulfate and ammonium persulfate~~ of a biocompatible, substantially water soluble macromer comprising at least two free radical polymerizable substituents ~~applied to the substrate,~~

wherein the coating further comprises one or more polysaccharides, and

wherein the substrate is a textured material.

Claims 33-35 (Canceled).

36. (New) The substrate of claim 32, wherein the textured material is selected from the group consisting of woven material, a velour and an expanded membrane.

37. (New) The substrate of claim 32, wherein the macromer is poly(ethylene glycol) and the free radical polymerizable substituents comprise carbon-carbon double bonds.

38. (New) The substrate of claim 32, wherein the polymeric coating is formed on the substrate surface by:

a) applying to the surface the macromer and a free radical polymerization initiator; and

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b) exposing the initiator to an agent to activate the initiator to cause the polymerization of the macromers to form the polymeric coating on the surface.

39. (New) The substrate of claim 38, wherein the initiator is selected from the group consisting of visible light or long wavelength ultraviolet light-activatable free radical initiators, thermal activatable free radical initiators, benzoyl peroxide, potassium persulfate and ammonium persulfate.

40. (New) The substrate of claim 32, wherein the polymeric coating is formed on the substrate surface by:

a) applying to the surface a mixture comprising a free radical polymerization initiator with the macromer to form a mixture; and

b) exposing the mixture to an agent to activate the initiator to cause the polymerization of the macromers to form the polymeric coating on the surface.

41. (New) The substrate of claim 40, wherein the initiator is selected from the group consisting of visible light or long wavelength ultraviolet light-activatable free radical initiators, thermal activatable free radical initiators, benzoyl peroxide, potassium persulfate and ammonium persulfate.

42. (New) The substrate of claim 32, wherein the polysaccharide is selected from the group consisting of alginate, hyaluronic acid, chondroitin sulfate, dextran, dextran sulfate, heparin, heparin sulfate, heparan sulfate, chitosan, gellan gum, xanthan gum, guar gum, water soluble cellulose derivatives, and K-carrageenan.

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